

CLAIMS

1. A protein having the same or substantially the same amino acid sequence as the amino acid sequence represented by SEQ ID NO: 1, or a salt thereof.
2. The protein according to Claim 1, having ribonucleotide reductase activity.
3. A partial peptide of the protein according to Claim 1, or a salt thereof.
4. DNA comprising DNA having a base sequence encoding the protein according to Claim 1 or the partial peptide according to Claim 3.
5. DNA according to Claim 4, having the base sequence represented by SEQ ID NO : 2.
6. DNA according to Claim 4, having the base sequence represented by SEQ ID NO : 12.
7. A recombinant vector containing the DNA according to Claim 4.
8. A transformant transformed by the recombinant vector according to Claim 7.
9. A method for manufacturing the protein or salt thereof according to Claim 1 or the partial peptide or salt thereof according to Claim 3, wherein the transformant according Claim 8 is cultured to produce and accumulate the protein or salt thereof according to Claim 1 or the partial peptide or salt thereof according to Claim 3, which is then collected.
10. A pharmaceutical comprising the protein or salt thereof according to Claim 1 or the partial peptide or salt thereof according to Claim 3.
11. A pharmaceutical comprising the DNA according to Claim 4.
12. An antibody to the protein or salt thereof according to Claim 1 or the partial peptide or salt thereof according to Claim 3.
13. A diagnostic agent comprising the antibody according to Claim 12.

14. A method for screening a compound or salt thereof which inhibits or activates the enzyme activity of the protein or salt thereof according to Claim 1, characterized by the use of the protein or salt thereof according to Claim 1 or the partial peptide or salt thereof according to Claim 3.

15. A kit for screening a compound or salt thereof which inhibits or activates the enzyme activity of the protein or salt thereof according to Claim 1, containing the protein or salt thereof according to Claim 1 or the partial peptide or salt thereof according Claim 3.

16. A compound or salt thereof which inhibits or activates the enzyme activity of the protein or salt thereof according to Claim 1, obtained by using the screening method according to Claim 14 or the screening kit according to Claim 15.

17. A pharmaceutical containing the compound or salt thereof according to Claim 16.

18. The pharmaceutical according to Claim 17, being a pharmaceutical for prevention or treatment of cancer.